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L1	2	"20020184401".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:34
L2	21102	CRL (common adj runtime near3 language)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:40
L3	0	2 and ((translat\$3 transform\$3 convert\$3) near5 (request\$1 call\$1) near5 ((intermediate near3 language\$1) byte\$1code))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:36
L4	0	2 and ((translat\$3 transform\$3 convert\$3) near5 (request\$1 call\$1) near5 (intermediate byte\$1code))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:37
L5	142	2 and ((translat\$3 transform\$3 convert\$3) near5 (request\$1 call\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:40
L6	644	(common near3 runtime near3 language)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:40
L7	63	6 and ((translat\$3 transform\$3 convert\$3) near5 (request\$1 call\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:40
L9	4	8 and ((creat\$3 generat\$3) near5 (GUI\$1 (graphical near3 user near4 interface\$)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:42
L10	8	8 and ((creat\$3 generat\$3 defin\$3 buil\$5) with (GUI\$1 (graphical near3 user near4 interface\$)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:59

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L11	62	7 and (API\$1 interface\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 12:05
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JJ Gough, KJ Gough - 2001 - Prentice Hall PTR Upper Saddle River, NJ, USA

[Cited by 54 - Related Articles - Web Search - Library Search](#)[Design and implementation of generics for the .NET Common language runtime - group of 38 »](#)

A Kennedy, D Syme - ACM SIGPLAN Notices, 2001 - portal.acm.org

... 1.1 What is the CLR? The .NET Common Language Runtime consists of a typed, stack-based intermediate language (IL), an Execution Engine (EE) which executes IL ...

[Cited by 146 - Related Articles - Web Search - BL Direct](#)[ILX: Extending the .NET Common IL for Functional Language Interoperability - group of 10 »](#)

D Syme - Electronic Notes in Theoretical Computer Science, 2001 - cin.ufpe.br

... Runtime [5], an implementation of which is provided by Microsoft as part of VisualStudio.NET. The intermediary language of the CLR is called Common IL (CIL) ...

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A Weiss - netWorker, 2001 - portal.acm.org

... .NET infrastructure (the core of the "operating system", or its vital organs) the language must take advantage of Microsoft's CLR (Common Language Runtime). ...

[Cited by 10 - Related Articles - Web Search](#)[Scripting .NET using Mondrian - group of 12 »](#)

E Meijer, N Perry, A van Yzendoorn - ECOOP, 2001 - Springer

... functional programmers who would like to be able to inter-work more closely with other languages that target the .NET Common Language Runtime (CLR), the other ...

[Cited by 9 - Related Articles - Web Search - BL Direct](#)[\[book\] C# and the .NET Platform - group of 9 »](#)

A Troelsen - 2001 - dotnetforum.dk

... goal of this chapter, however, is to acquaint you with a number of .NET-centric building blocks such as the common language runtime (CLR), Common Type System ...

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T Pattison - from the Feb, 2001 - aats.mha.dk

... can simply think of the CLR as the ... For related articles see: Common Language Runtime For background information see: <http://msdn.microsoft.com/net/> [http://msdn ...](http://msdn/)[Cited by 3 - Related Articles - View as HTML - Web Search](#)[Comparing .NET with Java - group of 5 »](#)

B Cornelius - Java & the Internet in the Computing Curriculum Conference (..., 2001 - dur.ac.uk ... as Visual Studio.NET) can use the CLR to provide ... One common use of events is for registering methods to ... Visual Studio.NET also provides a wizard that generates ...

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[\[book\] A Programmer's Introduction to Visual Basic. Net - group of 2 »](#)

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... 4 Opening Up on the Web 5What Does the " .NET" Mean The **Common Language Runtime**
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[\[book\] Presenting C# - group of 3 »](#)

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... getting up to speed with the enterprise programming **language** that ships with the
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[T Lindholm](#)

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T Lindholm, F Yellin - 1999 - Addison-Wesley Longman Publishing Co., Inc. Boston, MA, USA

... Design and implementation of generics for the .NET **Common language runtime**, ACM SIGPLAN ... Jeremy Singer, JVM versus CLR: a comparative study, Proceedings of the ...

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[\[Lua\]Interface: User's Guide - group of 4 »](#)

F Mascarenhas - Computer Science Department, PUC-Rio. Available at <http://...>, 2000 - inf.puc-rio.br

... **LuaInterface** is library for integration between the **Lua** language and Microsoft

.NET platform's **Common Language Runtime (CLR)** [2]. Several languages already ...

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B Albahari - Published on Genomics WWW site, July, 2000 - cs.ucsb.edu

... The .NET platform is centered around a **Common Language Runtime** (similar to a JVM) and ... does entail the creation of a wrapper object, though the **CLR** may provide ...

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M Erik, G John - research.microsoft.com/ wemeijer/Papers/CLR.pdf, 1999

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J Richter - MSDN Magazine, 2000 - pvinayshanker.googlepages.com

... I also discussed the general algorithm used by the **common language runtime (CLR)** and some of the internal workings of this algorithm. ...

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R Simon - technology, 2000 - inf.ethz.ch

... The virtual machine's equivalent of an operating system is the **Common Language Runtime (CLR)**, providing a number of crucial facilities – memory management ...

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[Application of Web Services for Remote Access of Bearcat III robot using the .NET Framework - group of 6 »](#)

S Narayanan - 2000 - robotics.uc.edu

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1 Typing a multi-language intermediate code

Andrew D. Gordon, Don Syme

January 2001 **ACM SIGPLAN Notices , Proceedings of the 28th ACM SIGPLAN-SIGACT symposium on Principles of programming languages POPL '01**, Volume 36

Issue 3

Publisher: ACM Press

Full text available: [pdf\(257.05 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Microsoft .NET Framework is a new computing architecture designed to support a variety of distributed applications and web-based services. .NET software components are typically distributed in an object-oriented intermediate language, Microsoft IL, executed by the Microsoft Common Language Runtime. To allow convenient multi-language working, IL supports a wide variety of high-level language constructs, including class-based objects, inheritance, garbage collection, and a security mechanism b ...

2 Multilingual debugging with the SWAT high-level debugger



James R. Cardell

March 1983 **ACM SIGPLAN Notices , ACM SIGSOFT Software Engineering Notes , Proceedings of the symposium on High-level debugging SIGSOFT '83**, Volume 18 , 8 Issue 8 , 4

Publisher: ACM Press

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The SWAT (TM) debugger, Data General Corporation's Source Language Debugger, is an interactive, high-level, symbolic debugging tool. It offers its users a full complement of standard high-level debugging features with a simple command format modeled after that of Data General's AOS and AOS/VS operating system Command Line Interpreter.

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